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Committee on the Peaceful
Uses of Outer Space

Information furnished in conformity with General Assembly resolution 1721 B (XVI) by States launching objects into orbit or beyond

Note verbale dated 15 July 2014 from the Permanent Mission of Luxembourg to the United Nations (Vienna) addressed to the Secretary-General

The Permanent Mission of Luxembourg to the United Nations (Vienna) has the honour to transmit, in accordance with paragraph 1 of General Assembly resolution 1721 B (XVI) of 20 December 1961, information concerning objects launched into Earth orbit or beyond by Luxembourg as at 11 June 2014 (see annex).

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Annex

List of Luxembourg space objects*

1.	Committee on Space Research international designator:	1988-109B
	Name of space object:	ASTRA 1A
	Launch date:	11 December 1988
	Launch site:	Kourou, French Guiana
	Launcher:	Ariane
	Decommission date:	10 December 2004
	Owner of object:	Société Européenne des Satellites (SES ASTRA)
	Orbital characteristics:	The satellite is in a graveyard orbit, at a perigee of 400 km above the geostationary orbit
2.	Committee on Space Research international designator:	1991-015A
	Name of space object:	ASTRA 1B
	Launch date:	2 March 1991
	Launch site:	Kourou, French Guiana
	Decommission date:	12 July 2006
	Launcher:	Ariane
	Owner of object:	SES ASTRA
	Orbital characteristics:	The satellite is in a graveyard orbit, at a perigee of 500 km above the geostationary orbit
3.	Committee on Space Research international designator:	1993-031A
	Name of space object:	ASTRA 1C
	Launch date:	12 May 1993
	Launch site:	Kourou, French Guiana
	Launcher:	Ariane
	Owner of object:	SES ASTRA
	Orbital characteristics:	
	Nodal period:	1,435.8-1,436.4 minutes

* The registration data are reproduced in the form in which they were received.

	Inclination:	6.6 degrees on 11 June 2014 (inclined orbit)
	Apogee:	35,820 km
	Perigee:	35,752 km
	Longitude:	2.0 degrees East since 23 October 2008
	General purpose of object:	Encrypted and unencrypted transmission of radio, television and multimedia data services and of occasional-use services
4.	Committee on Space Research international designator:	1994-070A
	Name of space object:	ASTRA 1D
	Launch date:	31 October 1994
	Launch site:	Kourou, French Guiana
	Launcher:	Ariane
	Owner of object:	SES ASTRA
	Orbital characteristics:	
	Nodal period:	1,435.8-1,436.4 minutes
	Maximum inclination:	In inclined orbit since 22 October 2007
	Apogee:	35,820 km
	Perigee:	35,752 km
	Longitude:	The satellite is being repositioned to 67.6 degrees West (will arrive on 19 June 2014)
	General purpose of object:	Encrypted and unencrypted transmission of radio, television and multimedia data services and of occasional-use services
5.	Committee on Space Research international designator:	1995-055A
	Name of space object:	ASTRA 1E
	Launch date:	19 October 1995
	Launch site:	Kourou, French Guiana
	Launcher:	Ariane
	Owner of object:	SES ASTRA
	Orbital characteristics:	
	Nodal period:	1,435.8-1,436.4 minutes
	Maximum inclination:	In inclined orbit since May 2010
	Apogee:	35,820 km
	Perigee:	35,752 km

	Longitude:	The satellite has been repositioned to 31.20 degrees East
	General purpose of object:	Encrypted and unencrypted transmission of radio, television and multimedia data services and of occasional-use services
6.	Committee on Space Research international designator:	1996-021A
	Name of space object:	ASTRA 1F
	Launch date:	8 April 1996
	Launch site:	Baikonur, Kazakhstan
	Launcher:	Proton
	Owner of object:	SES ASTRA
	Orbital characteristics:	
	Nodal period:	1,435.8-1,436.4 minutes
	Maximum inclination:	0.10 degrees
	Apogee:	35,820 km
	Perigee:	35,752 km
	Longitude:	54.65 degrees East since 18 October 2013
	General purpose of object:	Encrypted and unencrypted transmission of radio, television and multimedia data services
7.	Committee on Space Research international designator:	1997-076A
	Name of space object:	ASTRA 1G
	Launch date:	2 December 1997
	Launch site:	Baikonur, Kazakhstan
	Launcher:	Proton
	Owner of object:	SES ASTRA
	Orbital characteristics:	
	Nodal period:	1,435.8-1,436.4 minutes
	Maximum inclination:	In inclined orbit since May 2014
	Apogee:	35,820 km
	Perigee:	35,752 km
	Longitude:	31.5 degrees East since 10 July 2010
	General purpose of object:	Encrypted and unencrypted transmission of radio, television and multimedia data services

8.	Committee on Space Research international designator:	1998-050A
	Name of space object:	ASTRA 2A
	Launch date:	30 August 1998
	Launch site:	Baikonur, Kazakhstan
	Launcher:	Proton
	Owner of object:	SES ASTRA
	Orbital characteristics:	
	Nodal period:	1,435.8-1,436.4 minutes
	Maximum inclination:	0.10 degrees
	Apogee:	35,820 km
	Perigee:	35,752 km
	Longitude:	28.2 degrees East
	General purpose of object:	Encrypted and unencrypted transmission of radio, television and multimedia data services
9.	Committee on Space Research international designator:	1999-033A
	Name of space object:	ASTRA 1H
	Launch date:	18 June 1999
	Launch site:	Baikonur, Kazakhstan
	Launcher:	Proton
	Owner of object:	SES ASTRA
	Orbital characteristics:	
	Nodal period:	1,435.8-1,436.4 minutes
	Maximum inclination:	In inclined orbit since May 2012
	Apogee:	35,820 km
	Perigee:	35,752 km
	Longitude:	The satellite is being repositioned to 67.6 degrees West (will arrive on 20 August 2014)
	General purpose of object:	Encrypted and unencrypted transmission of radio, television and multimedia data services; two-way satellite interactive services
10.	Committee on Space Research international designator:	2000-054A
	Name of space object:	ASTRA 2B

Launch date:	14 September 2000
Launch site:	Kourou, French Guiana
Launcher:	Ariane 5
Owner of object:	SES ASTRA
Orbital characteristics:	
Nodal period:	1,435.8-1,436.4 minutes
Maximum inclination:	0.10 degrees
Apogee:	35,820 km
Perigee:	35,752 km
Longitude:	31.33 degrees East since 8 February 2014
General purpose of object:	Encrypted and unencrypted transmission of radio, television and multimedia data services

11. Committee on Space Research international designator: 2000-081A

Name of space object:	ASTRA 2D
Launch date:	20 December 2000
Launch site:	Kourou, French Guiana
Launcher:	Ariane 5
Owner of object:	SES ASTRA
Orbital characteristics:	
Nodal period:	1,435.8-1,436.4 minutes
Maximum inclination:	In inclined orbit since 10 April 2012
Apogee:	35,820 km
Perigee:	35,752 km
Longitude:	28.0 degrees East
General purpose of object:	Encrypted and unencrypted transmission of radio, television and multimedia data services

12. Committee on Space Research international designator: 2001-025A

Name of space object:	ASTRA 2C
Launch date:	16 June 2001
Launch site:	Baikonur, Kazakhstan
Launcher:	Proton
Owner of object:	SES ASTRA

	Orbital characteristics:	
	Nodal period:	1,435.8-1,436.4 minutes
	Maximum inclination:	0.12 degrees
	Apogee:	35,820 km
	Perigee:	35,752 km
	Longitude:	28.2 degrees East since 30 April 2014
	General purpose of object:	Encrypted and unencrypted transmission of radio, television and multimedia data services
13.	Committee on Space Research international designator:	2002-015B
	Name of space object:	ASTRA 3A
	Launch date:	29 March 2002
	Launch site:	Kourou, French Guiana
	Launcher:	Ariane 4
	Owner of object:	SES ASTRA
	Orbital characteristics:	
	Nodal period:	1,435.8-1,436.4 minutes
	Maximum inclination:	In inclined orbit from 31 May 2012
	Apogee:	35,820 km
	Perigee:	35,752 km
	Longitude:	183.15 degrees East since 20 December 2013
	General purpose of object:	Encrypted and unencrypted transmission of radio, television and multimedia data services; occasional-use services; very small aperture terminal (VSAT) services
14.	Committee on Space Research international designator:	2006-012A
	Name of space object:	ASTRA 1KR
	Launch date:	20 April 2006
	Launch site:	Cape Canaveral, United States of America
	Launcher:	Atlas V
	Owner of object:	SES ASTRA (through its subsidiary SES ASTRA 1KR)
	Orbital characteristics:	
	Nodal period:	1,435.8-1,436.4 minutes
	Maximum inclination:	0.12 degrees

Apogee:	35,820 km
Perigee:	35,752 km
Longitude:	19.2 degrees East
General purpose of object:	Encrypted and unencrypted transmission of radio, television and multimedia data services

15. Committee on Space Research international designator: 2007-016A

Name of space object:	ASTRA 1L
Launch date:	4 May 2007
Launch site:	Kourou, French Guiana
Launcher:	Ariane 5
Owner of object:	SES ASTRA (through its subsidiary SES ASTRA 1L)
Orbital characteristics:	
Nodal period:	1,435.8-1,436.4 minutes
Maximum inclination:	0.12 degrees
Apogee:	35,820 km
Perigee:	35,752 km
Longitude:	19.2 degrees East
General purpose of object:	Encrypted and unencrypted transmission of radio, television, multimedia data and broadband services

16. Committee on Space Research international designator: 2008-057A

Name of space object:	ASTRA 1M
Launch date:	5 November 2008
Launch site:	Baikonur, Kazakhstan
Launcher:	Proton-M/Breeze-M
Owner of object:	SES ASTRA (through its subsidiary SES ASTRA 1M)
Orbital characteristics:	
Nodal period:	1,435.8-1,436.4 minutes
Maximum inclination:	0.12 degrees
Apogee:	35,820 km
Perigee:	35,752 km
Longitude:	19.2 degrees East

	General purpose of object:	Encrypted and unencrypted transmission of radio, television and multimedia data services
17.	Committee on Space Research international designator:	2010-021A
	Name of space object:	ASTRA 3B
	Launch date:	21 May 2010
	Launch site:	Kourou, French Guiana
	Launcher:	Ariane 5
	Owner of object:	SES ASTRA (through its subsidiary SES 3B)
	Orbital characteristics:	
	Nodal period:	1,435.8-1,436.4 minutes
	Maximum inclination:	0.10 degrees
	Apogee:	35,820 km
	Perigee:	35,752 km
	Longitude:	23.5 degrees East since 10 June 2010
	General purpose of object:	Encrypted and unencrypted transmission of radio, television, multimedia data, VSAT and broadband services
18.	Committee on Space Research international designator:	2011-041A
	Name of space object:	ASTRA 1N
	Launch date:	6 August 2011
	Launch site:	Kourou, French Guiana
	Launcher:	Ariane 5
	Owner of object:	SES ASTRA (through its subsidiary SES 1N)
	Orbital characteristics:	
	Nodal period:	1,435.8-1,436.4 minutes
	Maximum inclination:	0.10 degrees
	Apogee:	35,820 km
	Perigee:	35,752 km
	Longitude:	19.2 degrees East since 28 February 2014
	General purpose of object:	Encrypted and unencrypted transmission of radio, television, multimedia data, VSAT and broadband services

19.	Committee on Space Research international designator:	2011-058C
	Name of space object:	Vesselsat 1
	Launch date:	12 October 2011
	Launch site:	Sriharikota, India
	Launcher:	PSLV-CA
	Owner of object:	LuxSpace
	Orbital characteristics:	
	Nodal period:	102.10 minutes
	Maximum inclination:	20.00 degrees
	Apogee:	867.00 km
	Perigee:	847.00 km
	General purpose of object:	Automatic Identification System (AIS) data collection
20.	Committee on Space Research international designator:	2012-051A
	Name of space object:	ASTRA 2F
	Launch date:	28 September 2012
	Launch site:	Kourou, French Guiana
	Launcher:	Ariane 5
	Owner of object:	SES ASTRA (through its subsidiary SES ASTRA 2F)
	Orbital characteristics:	
	Nodal period:	1,435.8-1,436.4 minutes
	Maximum inclination:	0.10 degrees
	Apogee:	35,820 km
	Perigee:	35,752 km
	Longitude:	28.2 degrees East
	General purpose of object:	Encrypted and unencrypted transmission of radio, television, multimedia data, VSAT and broadband services
21.	Committee on Space Research international designator:	2012-001B
	Name of space object:	Vesselsat 2
	Launch date:	9 January 2012
	Launch site:	Taiyuan LC-9, China
	Launcher:	Chang Zheng 4B Y26

Owner of object:	LuxSpace
Orbital characteristics:	
Nodal period:	94.30 minutes
Maximum inclination:	97.50 degrees
Apogee:	490.00 km
Perigee:	479.00 km
General purpose of object:	Automatic Identification System (AIS) data collection

22. Committee on Space Research international designator: 2013-056A

Name of space object:	ASTRA 2E
Launch date:	29 September 2013
Launch site:	Baikonur, Kazakhstan
Launcher:	Proton-M/Breeze-M
Owner of object:	SES ASTRA (through its subsidiary SES ASTRA 2E)
Orbital characteristics:	
Nodal period:	1,435.8-1,436.4 minutes
Maximum inclination:	0.10 degrees
Apogee:	35,820 km
Perigee:	35,752 km
Longitude:	28.2 degrees East
General purpose of object:	Encrypted and unencrypted transmission of radio, television, multimedia data, VSAT and broadband services

23. Committee on Space Research international designator: 2014-011B

Name of space object:	ASTRA 5B
Launch date:	22 March 2014
Launch site:	Kourou, French Guiana
Launcher:	Ariane 5
Owner of object:	SES ASTRA (through its subsidiary SES ASTRA 5B)
Orbital characteristics:	
Nodal period:	1,435.8-1,436.4 minutes
Maximum inclination:	0.10 degrees
Apogee:	35,820 km

Perigee:	35,752 km
Longitude:	31.55 degrees East
General purpose of object:	Encrypted and unencrypted transmission of radio, television, multimedia data, VSAT and broadband services